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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/772,546	02/05/2004	Yusuke Muraoka	P/4178-11	8939
2352 OSTROLENK	7590 12/27/2007 FABER GERB & SOFFE	EXAMINER		
1180 AVENUE OF THE AMERICAS			PATEL, RITA RAMESH	
NEW YORK, NY 100368403		·	ART UNIT	PAPER NUMBER
			1792	
			MAIL DATE	DELIVERY MODE
			12/27/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
Office Action Summary		10/772,546	MURAOKA ET AL.		
		Examiner	Art Unit		
		Rita R. Patel	1792		
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address		
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tirr vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. lely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
2a)⊠	Responsive to communication(s) filed on <u>04 Oct</u> This action is FINAL . 2b) This Since this application is in condition for allowar closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro			
Dianasit	ion of Claims				
5) □ 6) ⊠ 7) □ 8) □ Applicati	Claim(s) 1-3,5-9,11,12 and 15-20 is/are pending 4a) Of the above claim(s) 2,3,5,6,15,17 and 18 Claim(s) is/are allowed. Claim(s) 1,7-9,11,12,16,19 and 20 is/are reject Claim(s) is/are objected to. Claim(s) are subject to restriction and/or it is a specification is objected to by the Examine The drawing(s) filed on is/are: a) acceptable.	is/are withdrawn from considerated. r election requirement. r. epted or b) □ objected to by the E	Examiner.		
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority ι	under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notice 3) Information	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) or No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	te		

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DETAILED ACTION

Response to Applicant's Arguments / Amendments

This Office Action is responsive to the amendment filed on 10/4/07. Claims 1, 7-9, 11, 12, 16, 19, and 20 have been elected. Claims 2, 3, 5, 6, 15, 17, and 18 are withdrawn from further consideration as being drawn to a non-elected invention. Claims 4, 10, 13, and 14 have been canceled. Upon consideration of Applicant's amendments to the claims, the instant claims are rejected under new grounds of rejections and thus, claims 1, 7-9, 11, 12, 16, 19, and 20 are finally rejected for the reasons of record.

Applicant's remarks filed 6/22/07 are directed towards the former claim rejection over Combs (US Patent No. 5,666,987) but are considered moot since it is no longer relied upon herein.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Mullee (US Patent No. 6,306,564).

Mullee teaches a high-pressure processing apparatus, namely a resist removal system 30 (Fig. 2) comprising the following: a pressure vessel 40 which internally

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includes a wafer processing chamber 42 for executing a surface treatment on a semiconductor wafer; a pump (high-pressure fluid supplier) which feeds carbon dioxide from tank 90 under pressure; a solvent chamber 44, 46 (mixing bath); conduits in connection with the solvent addition sources (chemical agent supplier) having valves 72, 80 connected thereto; valves 68, 74, 70, 76, 82, 78 (feedback control) for controlling the channel of high-pressure fluid to flow through either solvent loop 116 or 118; and a recirculation loop 133 (recovery unit). The conduits in connection with the "solvent addition" sources are provided with valves 72, 80 for supplying all or some of chemical agents which are different from each other to said mixing baths 44, 46. The channel control system causes the mixture to be sent into the pressure vessel 40 (see col. 4, lines 3-8, 54-65).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 7, 8, 9, 11, 12, 16, and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Mullee.

Mullee discloses the claimed invention as a single system; however it would have been obvious to one of ordinary skill in the art at the time of the invention to duplicate the entire system such that many substrates can be processed simultaneously for large

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scale production. It is well settled that the mere duplication of parts has no patentable significance unless a new and unexpected result is produced. *In re Harza*, 124 USPQ 378 (CCPA 1960). Duplication of the system would result in increased wafer processing tanks, mixing tanks, pressure vessels, supply units and pumps, and thus decrease processing time because the wafers can all be processed concurrently. The duplication of said system would adhere to known and expected results in the wafer processing art since it would have been obvious to one of ordinary skill in the art at the time of the invention to perform the same exact functions except for multiple wafers rather than just a single wafer.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of

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the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita R. Patel whose telephone number is (571) 272-8701. The examiner can normally be reached on M-F: 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr can be reached on (571) 272-1414. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

rrp

MICHAEL BARR SUPERVISORY PATENT EXAMINES